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|---|----|--|----------------------------|------------------|
| - | 56 | @ad<19991130 and 348/192.ccls. and test and display and channel | USPAT; US-PGPUB | 2003/07/02 12:31 |
| - | 9 | @ad<19991130 and 348/192.ccls. and test and display and channel and node | USPAT; US-PGPUB | 2003/07/02 12:32 |
| - | 21 | @ad<19991130 and 348/192.ccls. and test and (graph or chart) and display | USPAT; US-PGPUB | 2003/07/02 12:33 |
| - | 29 | @ad<19991130 and 348/192.ccls. and test and (graph or chart) | USPAT; US-PGPUB | 2003/07/02 12:34 |
| - | 4 | @ad<19991130 and 348/193.ccls. and test and (graph or chart) | USPAT; US-PGPUB | 2003/07/02 12:35 |
| - | 12 | @ad<19991130 and 348/193.ccls. and test and display | USPAT; US-PGPUB | 2003/07/02 12:36 |
| - | 7 | @ad<19991130 and 348/193.ccls. and test and node and channel | USPAT; US-PGPUB | 2003/07/02 12:37 |
| - | 7 | @ad<19991130 and 348/193.ccls. and node and channel | USPAT; US-PGPUB | 2003/07/02 12:37 |
| - | 14 | @ad<19991130 and 348/192.ccls. and node and channel | USPAT; US-PGPUB | 2003/07/02 12:37 |
| - | 0 | 702/199.ccls. and catv | USPAT; US-PGPUB; | 2004/01/21 11:04 |
| - | 5 | 702/199.ccls. and cable | EPO USPAT; US-PGPUB; | 2004/01/21 11:04 |
| - | 5 | 702/199.ccls. and frequency near spectrum | EPO USPAT; US-PGPUB; | 2004/01/21 11:07 |
| - | 3 | 702/180.ccls. and frequency near spectrum | EPO USPAT; US-PGPUB; | 2004/01/21 11:07 |
| - | 0 | 702/180.ccls. and catv | EPO USPAT; US-PGPUB; | 2004/01/21 11:07 |
| - | 8 | 702/180.ccls. and cable | EPO USPAT; US-PGPUB; | 2004/01/21 11:09 |
| - | 65 | 702/57.ccls. and cable | EPO USPAT; US-PGPUB; | 2004/01/21 11:09 |
| - | 54 | 702/57.ccls. and cable and frequency | EPO USPAT; US-PGPUB; | 2004/01/21 11:09 |
| - | 1 | 702/57.ccls. and cable and frequency and headend | EPO USPAT; US-PGPUB; | 2004/01/21 11:13 |
| - | 0 | 702/57.ccls. and catv | EPO USPAT; US-PGPUB; | 2004/01/21 11:13 |
| - | 11 | 702/57.ccls. and frequency adj spectrum | EPO USPAT; US-PGPUB; | 2004/01/21 11:14 |
| - | 1 | 702/57.ccls. and headend and cable | EPO USPAT; US-PGPUB; | 2004/01/21 11:15 |
| - | 1 | 702/75.ccls. and headend and cable | EPO USPAT; US-PGPUB; | 2004/01/21 11:19 |
| - | 9 | 702/75.ccls. and testing and cable | EPO USPAT; US-PGPUB; | 2004/01/21 11:19 |
| - | 11 | 702/76.ccls. and testing and cable | EPO USPAT; US-PGPUB; | 2004/01/21 11:20 |

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| - | 1 | 702/76.ccls. and headend and cable | USPAT; US-PGPUB; EPO | 2004/01/21 11:20 |
| - | 30 | 702/76.ccls. and cable | USPAT; US-PGPUB; EPO | 2004/01/21 11:20 |
| - | 29 | 702/76.ccls. and cable and frequency | USPAT; US-PGPUB; EPO | 2004/01/21 11:20 |
| - | 20 | 702/76.ccls. and cable and frequency and test\$3 | USPAT; US-PGPUB; EPO | 2004/01/21 11:23 |
| - | 0 | 702/76.ccls. and catv and headend | USPAT; US-PGPUB; EPO | 2004/01/21 11:25 |
| - | 19 | 725/107.ccls. and catv and headend | USPAT; US-PGPUB; EPO | 2004/01/21 11:50 |
| - | 12 | 725/114.ccls. and catv and testing | USPAT; US-PGPUB; EPO | 2004/01/21 11:50 |
| - | 228 | (headend or head adj end) and testing and catv and channel | USPAT; US-PGPUB; EPO | 2004/01/21 12:33 |
| - | 104 | (headend or head adj end) and testing and catv and channel and average | USPAT; US-PGPUB; EPO | 2004/01/21 12:33 |
| - | 82 | (headend or head adj end) and testing and catv and channel and average and display | USPAT; US-PGPUB; EPO | 2004/01/21 12:33 |
| - | 68 | (headend or head adj end) and testing and catv and channel and average and display and remote | USPAT; US-PGPUB; EPO | 2004/01/21 12:37 |
| - | 302 | (headend or head adj end) same measurement | USPAT; US-PGPUB; EPO | 2004/01/21 12:37 |
| - | 5 | (headend or head adj end) same testing same node | USPAT; US-PGPUB; EPO | 2004/01/21 12:41 |
| - | 80 | (headend or head adj end) and group near node | USPAT; US-PGPUB; EPO | 2004/01/21 12:41 |
| - | 16 | (headend or head adj end) and group near node and catv | USPAT; US-PGPUB; EPO | 2004/01/21 12:42 |
| - | 5 | (headend or head adj end) and test\$3 near node and catv | USPAT; US-PGPUB; EPO | 2004/01/21 12:43 |
| - | 7 | (headend or head adj end) and test\$3 near display | USPAT; US-PGPUB; EPO | 2004/01/21 12:46 |
| - | 3 | (headend or head adj end) and test adj plan | USPAT; US-PGPUB; EPO | 2004/01/21 12:50 |
| - | 5 | 6046742.pn. 6215489.pn. 6272537.pn. 6370154.pn. 6405248.pn. | USPAT; US-PGPUB; EPO | 2004/01/21 13:00 |
| - | 0 | 345/734.ccls. and catv | USPAT; US-PGPUB; EPO | 2004/01/21 13:02 |
| - | 1 | 345/734.ccls. and (headend or head adj end) | USPAT; US-PGPUB; EPO | 2004/01/21 13:03 |

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| - | 3 | 345/736.ccls. and (headend or head adj end) | USPAT; US-PGPUB; EPO | 2004/01/21 13:01 |
| - | 0 | 345/736.ccls. and catv | USPAT; US-PGPUB; EPO | 2004/01/21 13:03 |
| - | 1 | 345/740.ccls. and catv | USPAT; US-PGPUB; EPO | 2004/01/21 13:03 |
| - | 0 | 345/740.ccls. and (headend or head adj end) | USPAT; US-PGPUB; EPO | 2004/01/21 13:03 |
| - | 16 | 345/700,733.ccls. and (headend or head adj end) | USPAT; US-PGPUB; EPO | 2004/01/21 13:06 |
| - | 8 | 345/700,733.ccls. and catv | USPAT; US-PGPUB; EPO | 2004/01/21 13:07 |
| - | 27 | (headend or head adj end) and channel adj plan | USPAT; US-PGPUB; EPO | 2004/01/21 13:11 |
| - | 3 | (headend or head adj end) and test adj plan | USPAT; US-PGPUB; EPO | 2004/01/21 13:11 |